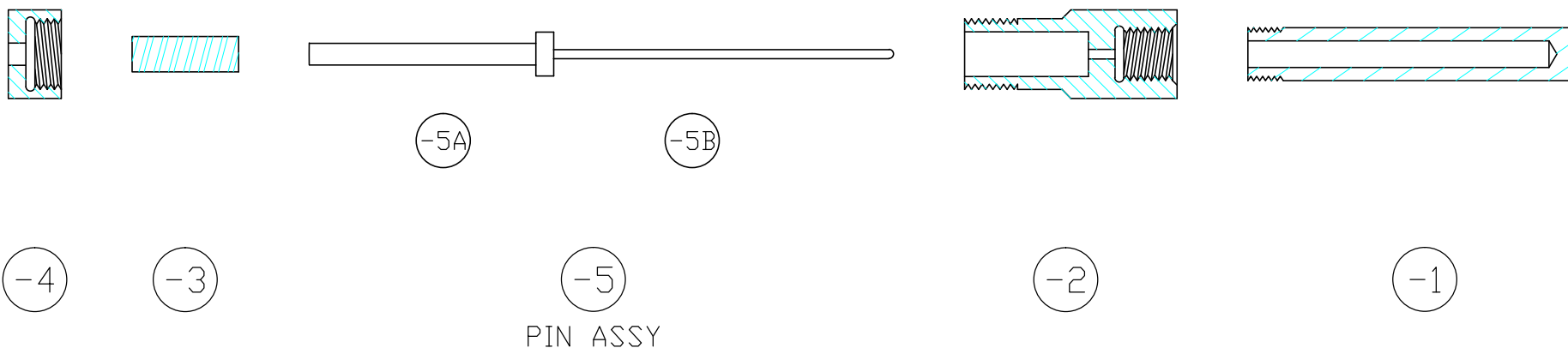


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPR
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344	-
2	REDRAWN - CAD FORMAT	4-18-03	-	-
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582, CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC	-
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM. CHANGED -4 & -2 THREAD TOL. FROM .001 TO .003.	9/14/09	WP	-



PIN ASSY

NOTE:

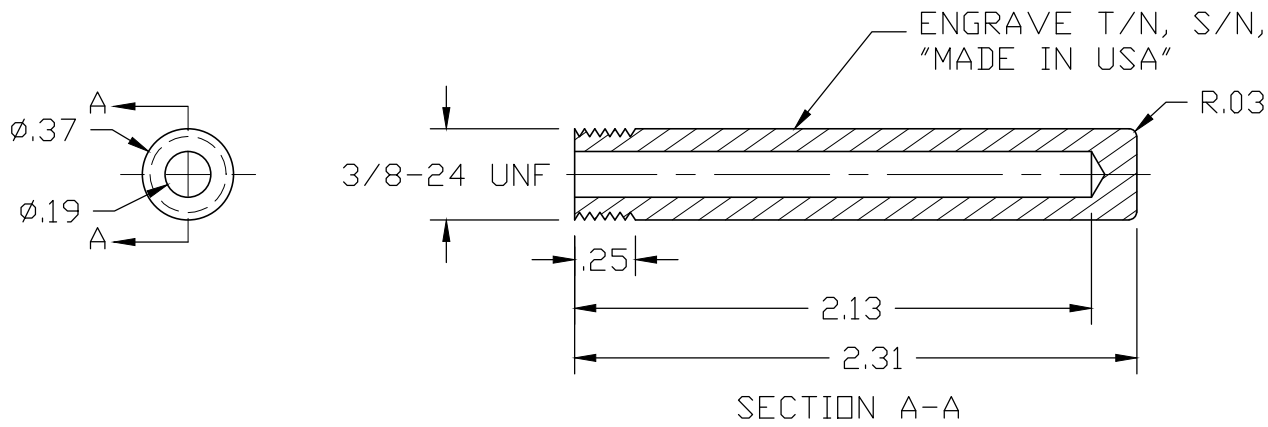
- 5 PIN ASSEMBLY MUST BE FREE FROM BINDING WITH -2 WHEN ASSEMBLED.

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	PROTECTIVE CAP	1020 or STRESS PROOF	Ø3/8 x 2-1/2	2
			-2	1	HOUSING	41L40	Ø5/8 x 1-5/8	3
			-3	1	SPRING	STEEL	REID S-770, MSC 00602912 OR SIMILAR	1
			-4	1	CAP	1020 or STRESS PROOF	Ø5/8 x 3/8	2
			-5	1	PIN WELDMENT			5
			-5A		PIN HANDLE	4140	Ø5/16 x 1-3/4	5
			-5B		DRILL ROD	-	Ø0625 x 2-1/2	5

RED BARN MACHINE			
TITLE			
ROTOR TIE BOLT STRETCH TOOL			
DWG NO. RB6795582			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
TOLERANCES ON:		DRAWN BY: COLE	
DECIMALS		APPROVED	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH BLACK OXIDE	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		ROLLS ROYCE 250 SERIE	
1. BREAK ALL SHARP EDGES		T63-A-5, YT63-A-5.3	
.015 x 45° PR .015 R		SCALE NTS	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DATE 4-18-03	
DATE 4-18-03		SHEET 1 of 5	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344	-
2	REDRAWN - CAD FORMAT	4-18-03	-	-
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582, CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC	-
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM.	9/14/09	WP	-

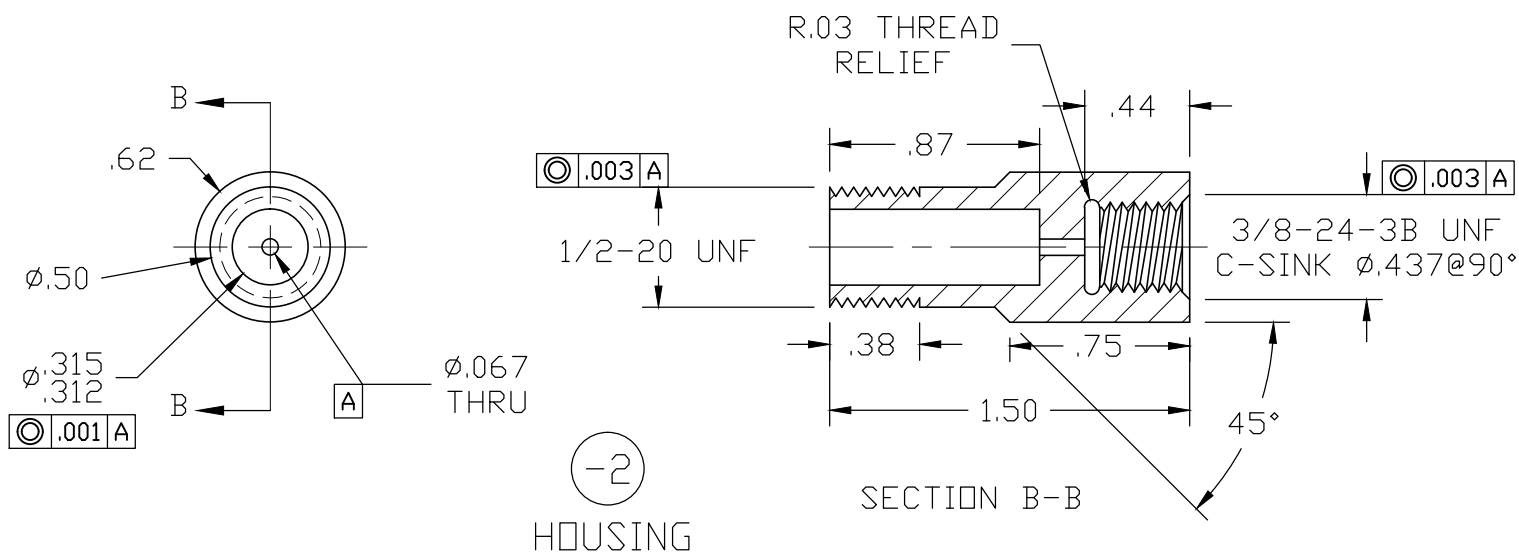


-1
PROTECTIVE CAP

RED BARN MACHINE			
TITLE ROTOR TIE BOLT STRETCH TOOL			
DWG NO. RB6795582-1			REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: COLE	
TOLERANCES ON:		APPROVED	
DECIMALS		HEAT TREAT	
XXX ± .005		FINISH BLACK OXIDE	
XX ± .01		USED ON MODEL	
X ± .1		ROLLS ROYCE 250 SERIES	
UNLESS OTHERWISE SPECIFIED		T63-A-5, YT63-A-5,3,1	
1. BREAK ALL SHARP EDGES		DATE 4-18-03	
.015 x 45° PR .015 R		SHEET 2 of 5	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE NTS			

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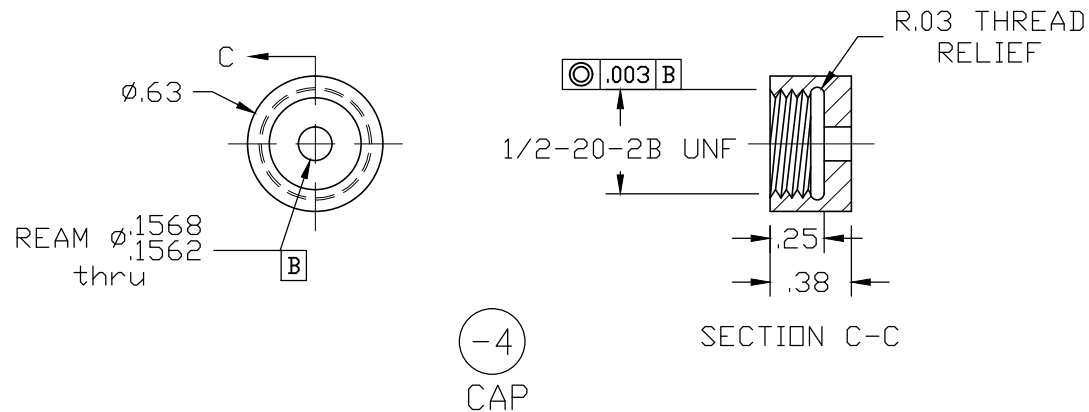
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344	-
2	REDRAWN - CAD FORMAT	4-18-03	-	-
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582, CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC	-
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM. CHANGED -2 THREAD TOL. FROM .001 TO .003.	9/14/09	WP	-



RED BARN MACHINE	
TITLE ROTOR TIE BOLT STRETCH TOOL	
DWG NO. RB6795582-2	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 XX ± .01 X ± .1	DRAWN BY: COLE APPROVED HEAT TREAT 32 - 36 Rc FINISH BLACK OXIDE SPEC USED ON MODEL
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	ROLLS ROYCE 250 SERIES T63-A-5, YT63-A-5,3,1
SCALE NTS	DATE 4-18-03 SHEET 3 of 5

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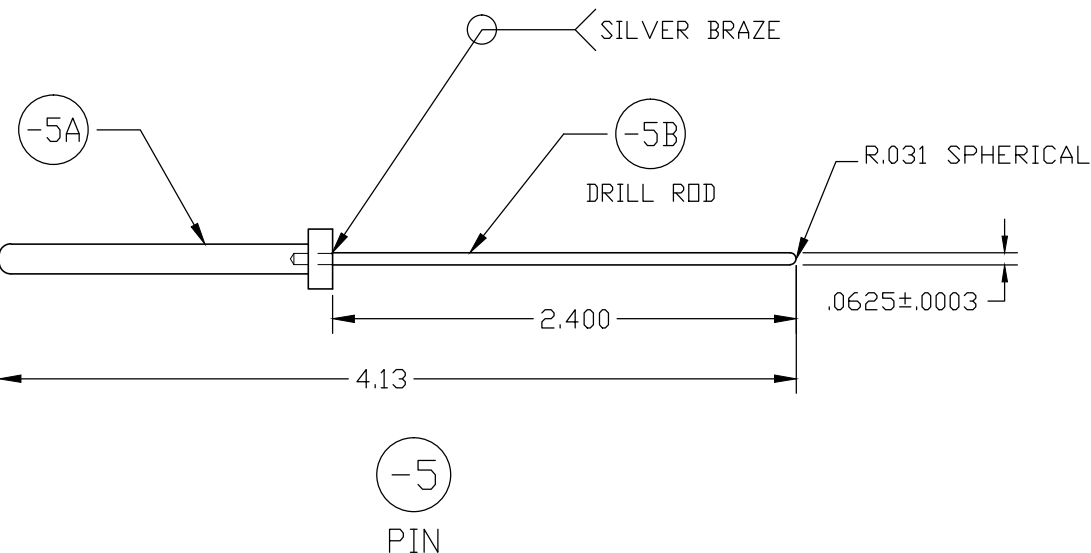
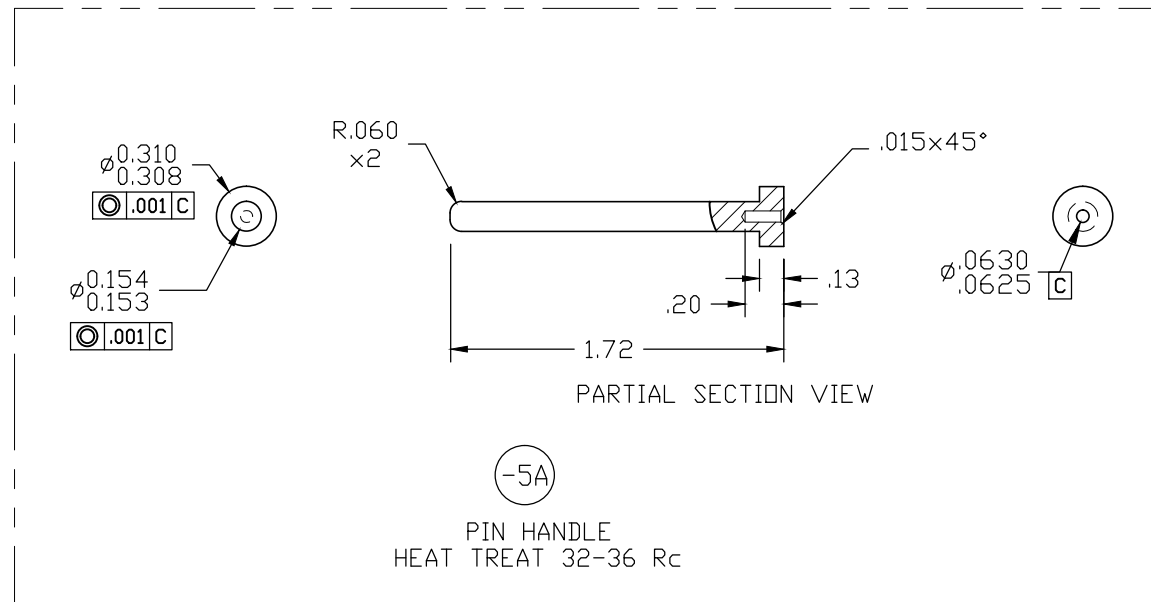
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344	-
2	REDRAWN - CAD FORMAT	4-18-03	-	-
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582 CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC	-
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM. CHANGED -4 THREAD TOL. FROM .001 TO .003.	9/14/09	WP	-



RED BARN MACHINE	
TITLE ROTOR TIE BOLT STRETCH TOOL	
DWG NO. RB6795582-4	REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 XX ± .01 X ± .1	DRAWN BY: COLE APPROVED HEAT TREAT FINISH BLACK OXIDE SPEC USED ON MODEL
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	ROLLS ROYCE 250 SERIES T63-A-5, YT63-A-5,3,1
SCALE NTS	DATE 4-18-03
SHEET 4 of 5	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	NOTES REVISED, NOTES ADDED	1-8-63	ETL-344	-
2	REDRAWN - CAD FORMAT	4-18-03	-	-
3	UPDATED TITLEBLOCK & REVISION BLOCK, LABELED SECTION VIEWS A,B,C, CH'D DWG. NO. FROM 6795582, CH'D P/N -5A R7.0 TO .060.	6/29/09	RJC	-
4	RE-SIZED AND REARRANGED DIMENSIONS & ADDED -5 TO BOM.	9/14/09	WP	-



NOTES

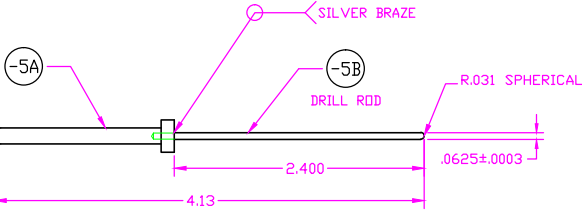
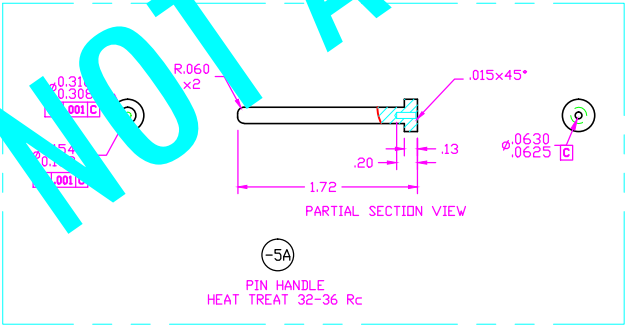
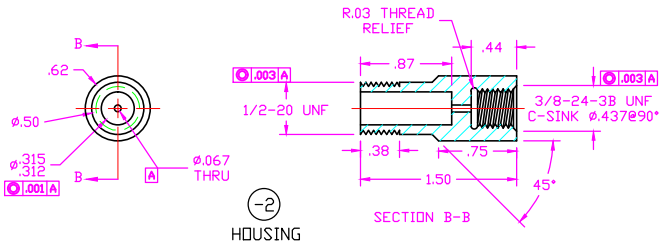
1. $\phi .153-.154$, $\phi .308-.310$ & $\phi .0625$ $\frac{1}{2}$ FROM SHOULDER MUST BE CONCENTRIC WITHIN .001

RED BARN MACHINE			
TITLE			
ROTOR TIE BOLT STRETCH TOOL			
DWG NO. RB6795582-5			REV 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: COLE	
TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVED	
DECIMALS .XXX ± .005		HEAT TREAT	
XX ± .01		FINISH BLACK OXIDE	
X ± .1		SPEC	
FRACTIONS ± 1/32		USED ON MODEL	
ANGLES ± 5°		ROLLS ROYCE 250 SERIES	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		T63-A-5, YT63-A-5,3,1	
SCALE NTS	DATE 4-18-03	SHEET 5 of 5	

PROTECTIVE CAP

CAP

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



PART #	QTY	DESCRIPTION
-1	1	4140 3/16 x 1 1/2 x 4

DRAWN BY: COLE	RB RED BARN MACHINE	
CHECKED	TITLE	
HEAT TREAT FINISH SPEC	DWG NO. PART #	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX $\pm .010$ FRACTIONS $\pm 1/32$ ANGLES $\pm 5^\circ$	REV.	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE NTS	DATE 4-18-02 SHEET 1 of 1